### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

# (19) World Intellectual Property Organization International Bureau



## 

#### (43) International Publication Date 17 June 2004 (17.06.2004)

**PCT** 

## (10) International Publication Number WO 2004/049814 A1

(51) International Patent Classification<sup>7</sup>: A47J 31/00, 31/50

A23F 5/26,

(21) International Application Number:

PCT/F12003/000916

- (22) International Filing Date: 1 December 2003 (01.12.2003)
- (25) Filing Language:

Finnish

(26) Publication Language:

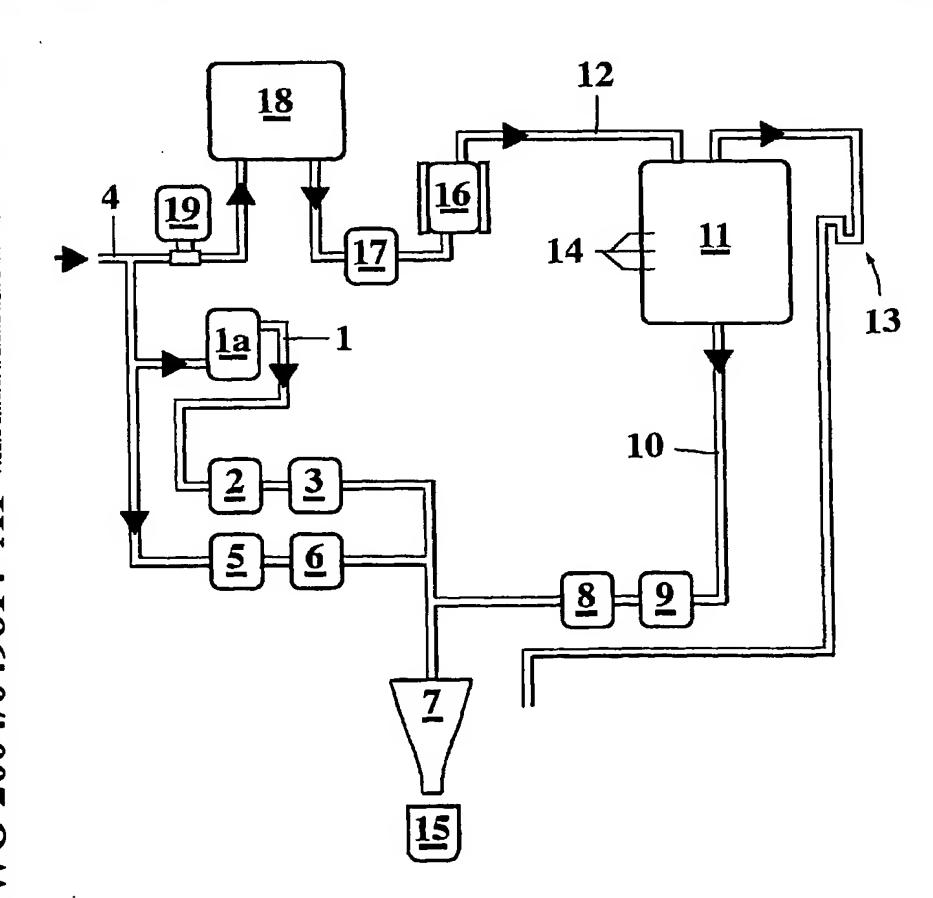
English

- (30) Priority Data: 20022109 29 November 2002 (29.11.2002) FI
- (71) Applicant (for all designated States except US): PALOHEIMO, Raija [FI/FI]; Katajaharjuntie 29 A 5, FIN-00200 Helsinki (FI).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): PALOHEIMO, Matti [FI/FI]; Wavulinintie 6, FIN-00210 Helsinki (FI).

- (74) Agent: SEPPO LAINE OY; Itämerenkatu 3 B, FIN-00180 Helsinki (FI).
- (81) Designated States (national): AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, EG, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK (utility model), SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO utility model (GH), ARIPO patent (GH), ARIPO utility model (GM), ARIPO patent (GM), ARIPO utility model (KE), ARIPO patent (KE), ARIPO utility model (LS), ARIPO patent (LS), ARIPO utility model (MW), ARIPO patent (MW), ARIPO

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR PREPARING COFFEE DRINKS



The invention (57) Abstract: relates to a method for making coffee-based drinks, and to an arrangement in an apparatus for making coffee-based drinks. this process, coffee is made by means of a so-called expresso method using hot water, high pressure and a short boiling time. According to the method, a strong coffee concentrate is stored in a hermetically sealed heat vessel, and the concentrate is either used as such or it is diluted so as to otain a desired strength, at the moment of serving, by adding a suitable amount of water to the concentrate in a mixing tank. According to the inventin, both express-based specialty coffees and ordinary coffee are made by means of the same equipment. The invention also makes it possible to quickly serve large amounts of coffee.